

Light rain began at 11.10 p. m. and ended after midnight of the 23d-24th. A heavy dash of rain occurred from 11.35 p. m. to 11.42 p. m. and was mixed with hail, ranging in size from about 0.2 inch to 0.4 inch in diameter, from 11.40 to 11.42. On account of the danger of freezing temperatures, the tipping bucket had been removed from the self-registering rain gage and the exact rate of rainfall could not be determined. The total precipitation between 7 p. m. of the 23d and 7 a. m. of the 24th, however, was but 0.12 inch. The first thunder was heard at 11.35 p. m. of the 23d and the last thunder occurred about 1 a. m. of the 24th. The lightning was most vivid about 11.45 p. m., but not especially close. Aside from the roar of the wind and the hissing of the rain and hail, no unusual noises were noticed.

On the morning of the 24th it was found that all surfaces upon which the rain had dried contained a light deposit of soil, which appeared to be yellow clay and which was unlike the surface soil in this vicinity. In the depressions of the metal roof of the Masonic Temple, a building five stories in height, the deposit of mud was so thick that it curled along the edges of the tiny puddles as the water evaporated. Numerous reports of the same muddy rain water have been received from Rock Island and Moline, Ill.

In the western portion of the city, three large iron smokestacks at the plant of the Corn Products Refining Co. were blown down, causing a loss of about \$5,000. The Davenport Locomotive Works also lost three smokestacks, and it will cost approximately \$3,500 to repair the damage at that factory. Two large smokestacks were thrown down at the wheel and wagon works of Messrs. French & Hecht, a few blocks east of the station, damaging the roof of one of the buildings. The roof of the elevator shaft was also twisted from its position by the wind, without being carried away. The actual property loss at that point was about \$5,000, but the factory was forced to close, and the loss incident to the suspension of operations will be several times the amount already named. The tin roof of the building occupied by the Peter Lamp Iron Co., in the center of the business district, was torn away, causing a loss of about \$1,000. Two

large plate-glass windows in the New Putnam Building, valued at \$400, were demolished; and in various portions of the city smaller windows were blown in, chimneys were thrown down, and roofs were damaged to some extent. Farm houses and outbuildings were damaged or destroyed at numerous places throughout the surrounding country; and, in some instances, stock was killed. The total damage in this locality is estimated to be about \$30,000. On account of the sheltering bluffs to the southward, no serious loss occurred in the cities of Rock Island and Moline, Ill. Telegraph and telephone wires were prostrated in all directions, however, and it was late in the forenoon of the 24th before communication with outside points could be resumed.

Miss Lulu Ellison was killed near Erie, Ill., a small town about 25 miles northeast of Davenport, when the house in which she was asleep collapsed. Mr. Harry Brown, of Davenport, was struck by flying boards and injured, though not seriously.

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Report for January, 1913.—Charles City, Iowa: Precipitation on 5th published 0.05 should be 0.04; total precipitation for month published 0.28 should be 0.27; departure of the monthly precipitation from the normal published -0.69 should be -0.70.

Report for February, 1913.—Caledonia, Minn.: Number of clear days published 14 should be 15; number of cloudy days published 11 should be 10. Keokuk, Iowa: Highest temperature on 11th published 28 should be 34; lowest temperature on 20th published 31 should be 30; mean highest temperature published 34 should be 34.2; mean monthly temperature published 25.2 should be 25.4; departure of the mean monthly temperature from the normal published -1.4 should be -1.2; greatest 24-hour precipitation published 0.99 should be 1.29. La Salle, Ill.: Greatest 24-hour precipitation published 1.70 should be 1.80. State sanatorium, Minn.: Mean monthly temperature published 5.8 should be 5.4. Weyerhaeuser, Wis.: Mean minimum temperature published -3.5 should be -3.9.